

# VoiceGATE SIP

## DESCRIPTION

### *The Voice over the Internet.*

Data and Voice via Internet in a sole device: VoiceGATE SIP.

### *The VoiceGATE System.*

VoiceGATE is the Digicom's solution for all the **VoIP applications** (Voice over IP).

A range of devices suitable for the most different needs, projected and carried out with the latest technologies. VoiceGATE SIP uses a powerful processor to have a Bridge/ IP Router with very good performances in Audio, Video and Data applications.

### *Different Needs.*

VoiceGATE SIP has been projected to be used in several applications. It can be the solution for the new Telecom Operators or in SOHO environments, according to the version available.

### *VoiceGATE SIP*

VoiceGATE SIP is a device based on the **SIP protocol (Session Initiation Protocol)** that guarantees the interoperability with a larger number of Telecom operators using this protocol to offer VoIP telephony services through the Internet connection.

It is possible to carry out applications with free of charge calls between VoIP users and with very advantageous rates in case of calls to the PSTN or to the GSM network.

This innovative technology is often associated to softwares to be installed on your computer; with VoiceGATE SIP you will be able to carry out the same functionalities but using the traditional phones (analog or ISDN) without depending on the computer and always having the service available.

### *Built-in 10/100 switch.*

VoiceGATE SIP has got a **3 or 4 ports 10/100 switch** depending on the version. This allows you to directly connect the computers of your network to the VoiceGATE SIP with better performances.



## VoIP Functions

- SIP protocol support (RFC 3261)
- Codec G.711 A-law (64Kbps), G.711 u-law (64Kbps) and G.729 (8Kbps) support
- Call waiting and call transfer support
- Silence Suppression, Voice Activity Detection (VAD), Comfort Noise Generation (CNG), Caller ID, Adaptive Jitter Buffer support

## ADSL Router

- Full rate ANSI T.1413 Issue 2
- VG.dmt (ITU G.992.1), G.hs (ITU G.994.1)
- ADSL over ISDN/U-R2
- Velocità fino a 8 Mbit/s in download e 1 Mbit/s in upload
- ATM Adaptation Layer Type 5 (AAL5)
- Multiple Protocol over AAL5 (RFC 2684, formerly RFC 1483)
- Bridge or Routed Ethernet encapsulation
- VC and LLC multiplexing
- PPP over Ethernet
- PPP over ATM (RFC 2364)
- Classical IP over ATM (RFC 1577)
- Supported protocols: DHCP Server, NAT, Virtual Server, DMZ, DNS, Dynamic DNS, Static Routing, Rip1, Rip2
- Multi PVC support
- Full Packet Inspection Firewall
- DoS protection
- Packet Filtering
- 10/100 4 ports switch (autosensing)

# VoiceGATE SIP

### The advantages of a modular solution.

VoiceGATE SIP is available in a complete range of versions suitable for any needs. There are models with **analog ports** (up to 4ab) or **ISDN** (2BRI).

### Interconnection with PABX.

VoiceGATE SIP can be used in Trunk applications, it substitutes the local lines of the PABX.

### Security and Firewall.

The security of your accesses is guaranteed by the firewall function. VoiceGATE SIP integrates functions like the **Packet Filtering** (Logical Port control, Source address, Destination address, MAC address) and **DOS protection** (Denial of Service).

### ADSL and Ethernet.

VoiceGATE SIP is available with two different geographic interfaces: ADSL and Ethernet.

The version with **built-in ADSL router** is suitable for all those access applications of main or branch offices.

The **Bridge/Ethernet version** is used when the Internet router is already installed.

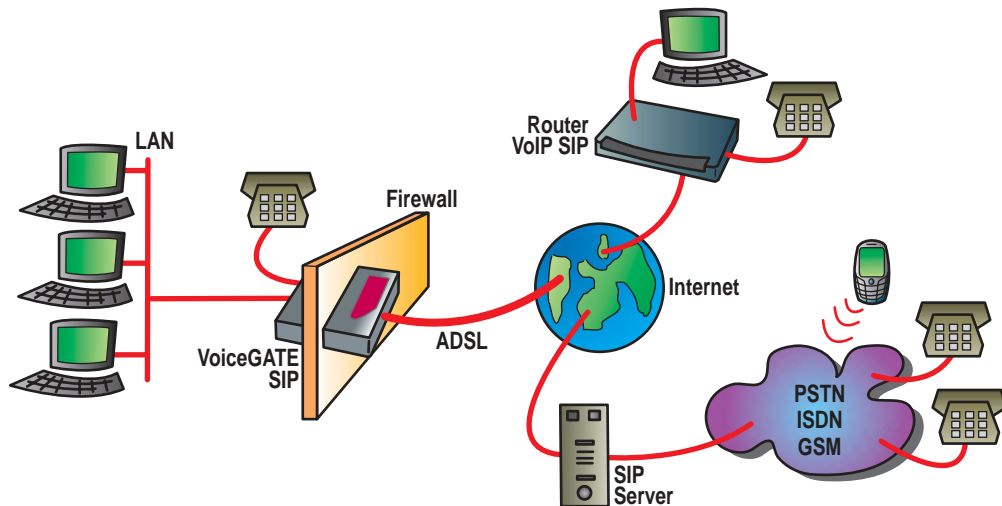
### Bridge Ethernet

- 10/100 Ethernet WAN port
- 10/100 3 ports switch
- DHCP Server protocol supported

### Interfaces

- FXS ports plug RJ11 for direct connection to phones or PABXs (local calls side)
- FXS BRI ports plug RJ45 for direct connection to phones or PABXs (Trunk)
- 1 USB port for the connection of computers without Ethernet card
- 1 consolle port RJ45 (optional)
- Reset Factory default button
- 10/100 switch (3 or 4 ports)

- WEB, CLI and DHCP configuration
- Remote firmware update
- 12VDC power
- Operating temperature: from 0 to 40°C
- Non condensing humidity: from 20 to 95%
- CE Mark



Code	Version	Voice(1)	Description
8D5554	Ethernet	2	VoiceGATE SIP Ethernet 1 WAN, 3 LAN, 2 analog ports RJ11 (POTs)
8D5555	Ethernet	4	VoiceGATE SIP Ethernet 1 WAN, 3 LAN, 4 analog ports RJ11 (POTs)
8D5559	Ethernet	4	VoiceGATE SIP Ethernet 1 WAN, 3 LAN, 2 BRI ISDN RJ45 (Bus SO)
8D5556	ADSL	2	VoiceGATE SIP ADSL 4 LAN, 2 analog ports RJ11 (POTs)
8D5557	ADSL	4	VoiceGATE SIP ADSL 4 LAN, 4 analog ports RJ11 (POTs)
8D5558	ADSL	4	VoiceGATE SIP ADSL 4 LAN, 2 BRI ISDN RJ45 (Bus SO)

(1) Max. number of simultaneous phone calls